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**LIPOOLIGOSACCHARIDE-BASED VACCINE FOR PREVENTION OF
MORAXELLA (BRANHAMELLA) CATARRHALIS INFECTIONS IN HUMANS**

Abstract of the Disclosure

5 A conjugate vaccine for *Moraxella (Branhamella) catarrhalis* comprising
isolated lipooligosaccharide from which esterified fatty acids have been removed, to
produce a detoxified lipooligosaccharide (dLOS), or from which lipid A has been
removed, to produce a detoxified oligosaccharide (OS), which is linked to an
immunogenic carrier. The vaccine is useful for preventing otitis media and respiratory
infections caused by *M. catarrhalis* in mammals, including humans.

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